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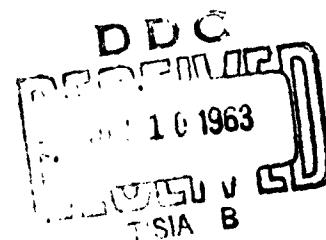
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ABSTRACTS FROM EAST EUROPEAN  
SCIENTIFIC AND TECHNICAL JOURNALS  
No. 188 ✓  
(Biology and Medicine Series)

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ABSTRACTS FROM EAST EUROPEAN  
SCIENTIFIC AND TECHNICAL JOURNALS

No. 188

- Biology and Medicine Series -

This report consists of abstracts of articles from the East European scientific and technical journals listed in the table of contents below.

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BULGARIA

N.G. POPOV and D. DOCHEV, Department of Internal Medicine and Therapeutics, Medical School (Katedrata po vutreshni bolesti i terapiia pri VMI) Head (Rukovoditel) Prof A. PUKHLEV, Sofia

"Treatment of Hypertension with Two New Medications."

Sofia, Suvremennoe Meditsina, Vol 13, No 10, 1962; pp 3-8.

Abstract [English summary modified]: Favorable report on treatment of 21 patients with essential and 3 with renal form of hypertension using reserpine-hydrothiazide and same plus hydralazine in tablet form (Swiss CIBA products.) Potassium loss should be counteracted by dietary means. No side effects in authors' series. Twelve tables, 17 Western references.

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BULGARIA

I. IVANOV, First Tuberculosis Hospital (Purva tuberkulosnata bolnitsa) Chief Physician (glavni lekar) Dr A. KISOV, Sofia.

"Dynamics of Tuberculin Allergy in Adult Tuberculosis Patients."

Sofia, Suvremennoe Meditsina, Vol 13, No 10, 1962; pp 8-14.

Abstract [English summary modified]: Evaluation of degree of response to Piroquet (antigen diluted 50% with alcohol) done at 3-4 week intervals in each of 42 male and 93 female patients (total 467 tests); correlation with treatment results (mainly isoniazid); clinical details, discussion. The variability of the reaction at various times in the same person is stressed. Four tables, no references.

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**BULGARIA**

P.E. VERBEV and E.B. GUBEV, Department of Epidemiology and Infectious Diseases, Medical School (Katedrata po epidemiologiya i infektsionni bolesti pri VMI) Head (Rukovoditel) Prof P. E. VERBEV, Sofia.

"Study of an Outbreak of Hemorrhagic Nephroso-Nephritis in Bulgaria."

Sofia, Suvremenна Meditsina, Vol 13, No 10, 1962; pp 15-19.

Abstract: Detailed description of severe epidemic in 17 out of the 120 workers at a dam construction site at Vrissa in the Western Rhodope Mountains between 22 June and 3 September 1959; 4 died. Transmission or agent from small rodents via contaminated food is considered proved. Sharp geographic localization; no cases at a neighboring site. List of 20 specimens of 5 species of wild small rodents (field mice etc.) caught in vicinity. Two tables; 4 Soviet and 2 Bulgarian references.

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**BULGARIA**

St. DIMITROV, Department of Pediatrics, Medical School (Katedra po detski bolesti pri VMI) Head Prof. L. RACHEV, Sofia.

"The Liver and Blood Coagulation."

Sofia, Suvremenна Meditsina, Vol 13, No 10, 1962; pp 19-23.

Abstract : Review of literature; liver function data in 48 hemophiliac patients (44 A, 4 B): prothrombin time, 358 flocculation tests, serum and urine bilirubin, SGPT and SGOT, thromboelastography: hepatic function in these patients seems to be essentially normal. Three tables, 4 Western and 1 Bulgarian reference.

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BULGARIA

D. PAVLOV and K. PRODANOV, Central Biochemistry Laboratory of Medical School (Tsentralna biokhimichna laboratoriya pri VMI) Chief (Zavezhdashch) Dr D. PAVLOV), Sofia

"A Rapid and Specific Method for Determination of Glucose in the Blood and Other Biological Substances."

Sofia, Suvremenна Meditsina, Vol 13, No 10, 1962; pp 23-26.

Abstract [English summary modified]: Description of the orthotolidine-thiourea photometric determination method of blood sugar. Two graphs, 3 Western references.

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BULGARIA

L. DRYADOVSKA-NYUINSKA and S. SAMSONOVA, Department of Pharmaceutical Chemistry (Katedra po farmatsavtichna himiya) Head (rukovoditel) Prof D. DALIV; and Department of Dermatology (Katedrata po kozhni obolestii) Medical School (VMI [Viashi Meditsinskiy Institut]) Head Prof L. POPOV, Sofia.

"Chloroquine for Probe-less Gastric Acidity Testing."

Sofia, Suvremenна Meditsina, Vol 13, No 10, 1962; pp 27-29.

Abstract: Chloroquine 300 mg. used in 52 patients instead of caffeine or histamine in gastric acidity test gave good results; results are equivalent to the other two compounds but side effects are virtually nil. Two tables, 2 Soviet, 2 Bulgarian and 4 Western references.

1/1

**BULGARIA**

D. MATLIEV, [affiliation not given]

"Mechanism of Blood Sedimentation at Vertical and Inclined Position of the Test Tube."

Sofia, Suvremennoye Meditsina, Vol 13, No 10, 1962; pp 30-34.

Abstract [English summary modified]: Random and chaotic currents impede ESR when the test tubes are held vertically; a sloping position is much to be preferred. Two tables; 3 Soviet and 7 Western references.

**BULGARIA**

At. MALEEV and G. IVANOVA, Department of Therapeutics (katedra po terapiya) VVVMI [Abbreviation not clarified] Head (rukovoditel) Docent At. MALIEV, Sofia

"Insulin-Refactory Diabetes Responding to Glucocorticoid Treatment."

Sofia, Suvremennoye Meditsina, Vol 13, No 10, 1962; pp 40-44.

Abstract : Diabetes in 43-year-old woman, relatively resistant to insulin and sulfonylurea treatment, responded to prednisone preparation Certancyl. Presumed mode of action by depression of insulin antibody formation. Table; 1 Soviet and 7 Western references.

BULGARIA

M. MONDESHKI, T. BURILKOV and L. BABADZHOV, Department of Physiotherapy (Kat dra po ftiziatriya) Head (Rukovoditel) Prof. M. MONDESHKI, of Medical School, and Regional Tuberculosis Dispensary (Okrushniya protivotuberkulosen dispanser) Head Physician (glavni lekar) Docent R. RUSEV, Sofia

"Asbestosis in Asbestos Miners in Avren, Krumovgrad Region."

Sofia, Suvremenno Meditsina, Vol 13, No 10, 1962; pp 34-40.

Abstract [English summary modified]: Detailed case reports of asbestosis in 2 miners and data on pulmonary diseases in 112 others. First reports of true asbestosis in Bulgaria. Two tables, 4 rentgenograms; 5 Soviet 1 Czech and 8 Western references.

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BULGARIA

As. FIKOV [Affiliation not given]

"Vitamin K and Its Uses in Children."

Sofia, Suvremenno Meditsina, Vol 13, No 10, 1962; pp 44-47.

Abstract: General review of hemorrhagic diatheses stressing mainly the role of physiologically immature liver function in newborns and infants having any such condition, and modalities of treatment with vitamin K derivatives. No references.

1/1

BULGARIA

M. ATANASOVA [Affiliation not given]

"Rebuttal to the Criticism of 'Studies in Ulcer Disease'."

Sofia, Suvremenна Meditsina, Vol 13, No 10, 1962; pp 51-52.

Abstract: Argumentative polemic. The main point of the author of the criticized work in answering Vulnarov's criticism is that more than half of her text was cut by journal editor, and that the critic misunderstood the rest.

1/1

BULGARIA

Prof Khristo GANOVSKI [Affiliation not given]

"Some Questions of Care in Animal Husbandry."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 3-4.

Abstract : Exhortatory and critical comments about inadequacy of attitudes and practices, and need to improve same. Several examples of wasteful methods in utilizing feed for domestic animals are cited from collective farms in the Yambolski Okrug.

1/1

BULGARIA

Vladimir STANKOV, Assistant Economist (ikonomist-asistent) VVMI (Abbreviation not clarified.)

"Evaluation of Economic Effects of Veterinary Medical Efforts."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 5-8.

Abstract: Rambling criticism of the many types of self-deceptive and unwittingly deceptive practices in assessing effects of prophylactic and therapeutic measures on efficiency of animal production. The main fault is failing to take into account all of the costs involved, and comparing figures which are not comparable.

Dr Georgi KANEV, Senior Assistant (staraishi asistent) VVMI [Vyschi Veterinarni Meditsinski Institut, Veterinary Medical School]

"The Vast Importance of Antibiotic Sensitivity Testing in Clinical Work."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 9-12.

Abstract: Review of basic principles of disk sensitivity testing; laboratory procedure and technical details as used in the Cantacuzino Institute in Bucharest; photograph of petri dish with 5 disks, table with 8 strains tested against 5 common antibiotics.

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BULGARIA

Dr Neno NENOV, Chief of "Veterinary Affairs" Section (Zaveshdashch sektor "Veterinarna delo") ONS [Abbreviation not identified] Plevan.

"Results of Treatment of Hypoderma of Cattle in the Plevan Okrug."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 13-14.

Abstract: Epidemiologic data and results of treatment with "Neguvon"; incidence has rapidly decreased between 1959 and 1962 but there is no cause for complacency. Table shows percentage of infestation by year and each of 10 villages.

1/1

BULGARIA

Docent Marin KHUBENOV and Senior Assistant (starayshi asistent) Ivan PRANDZHOV [Affiliation not given]

"Obstetric Technique for Schistosoma Reflexum in Cows."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 15-16.

Abstract: Review of clinical and obstetric methods of treatment and diagnosis of delivering monstrous fetuses in cattle. Petotomy as used by authors in 15 cases is recommended as safest and least traumatic technique to the cow. Three photographs.

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BULGARIA

Dr Blagoi VACHEV [Affiliation not given]

"Epidemic of Stomach Ulcers in Suckling Piglets."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 17-18.

Abstract: Description of obscure disease. Main finding in 9 necropsied piglets was gastric ulceration. There were multiple intestinal lesions as well as pathologic changes in liver, kidneys and heart also but the gastric changes were the most surprising finding. Speculative discussion about the possible cause; whether infectious or dietary or what. Footnote by journal editor requests comments and reports by readers.

1/1

BULGARIA

Dr Nikola BODUROV and Dr Konstantin BINEV [Affiliation not given]

"Breakage with Penetration into Bladder of Insemination Pipette During Artificial Insemination of Buffalo Cow."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 18-20.

Abstract: Plastic rather than glass insemination pipettes are recommended for use in buffalo cows because these temperamental animals refuse to stand still during the procedure, and breakage of the tube may cause severe cystitis with possibly fatal sequelae; in the case reported in article, cow made sudden violent jump during procedure; operative removal of broken end from bladder was required. Photograph of specimen.

1/1

BULGARIA

Dr Ivan BALKANSKI and Dr Nikola TYUTYUNDZHIEV [Affiliation not given]

"Proving the Presence of Re-Processed Meat Products in Sausages."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; p 23.

Abstract: Description of the materials and histologic staining method for incontrovertibly proving adulteration of sausage meat by inclusion of old sausage (differential staining of skin particles.) Common stains are used. Photomicrograph.

1/1

BULGARIA

Dr Todor GANCHEV, Research Associate, District Veterinary Station (nauchen sutrudnik pri RVS [raionskata veterinarna stantsiya],) Varna.

"Prevention of Abortion in Sheep and Yearling Sheep."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 20-22.

Abstract: *Salmonella abortus ovis* caused probably all or most of the 0.33 to 2.22% abortions in older sheep, and 9.15 to 25% of abortions in yearling sheep experienced in 8 collective farms in the Varna Okrug during 1961-1962 season. The all-important predisposing condition, however, is utterly inadequate nutrition. Table.

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BULGARIA

Dr Kosta KATRANDZHIEV [Affiliation not given]

"Impressions of the Zooprophylactic Experimental Institutes in the Regions of Lazio and Toscana in Italy."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 24-26.

Abstract: Description of the study and research activity of the institutes in question, mainly of the central institute in Rome-Cappanole directed by Prof. Zavalli. Names and tasks of principal investigators are listed with brief comments. Photograph of building, architectural plan of virology laboratory.

1/1

BULGARIA

D. As. KALOYAROV [Affiliation not given]

"Dr. Dimitur Nikolov Bliznakov."

*Editor*, Veterinarska Sbirka, Vol 59, No 11, 1962; pp 27-28.

*Abstract* : Biographical sketch of this member of the pioneering generation of Bulgarian veterinarians, 1865-1939; he studied in Russia, spent about half his life as Army Veterinarian, later taught, wrote books, practiced some. Portrait.

BULGARIA

D. G. VI, ZHELEV, Vice-Rector of Veterinary Medical College (Zamestnik Rektora VMI "Vipshi Veterinarski Meditsinski Institut.")

"Some Comments about Diagnostic Slaughterhouse Departments in Bulgaria."

*Editor*, Veterinarska Sbirka, Vol 59, No 11, 1962; pp 28-29.

*Abstract*: Discussion of the importance of these "ecarissage" stations not necessarily part of slaughterhouses but concerned with diagnosis of diseases for utilization of all animal products, also processing. Comments about courses or study for directors and veterinarians on this topic.

BULGARIA

Iv. KIRANOV, Lt. Colonel, Medical Corps (Podpolkovnik ot meditsinskata sluzhba)

"Terminology and Classification of Gas Anaerobic Infection."

Sofia, Voenno Meditsinsko Delo, Vol 13, No 1, Feb 1963; pp 8-12.

Abstract [Russian summary modified]: Author deplores the lack of a single and unequivocal terminology of gas gangrene in Bulgarian medical literature. He reviews the various terms used and reports results of his poll taken in person and by letter: the term "gas anaerobic infection" ("GAI") is proposed. He classifies various aspects of this infection from the clinical, morphologic and etiologic standpoints. Ten Soviet, 6 Bulgarian and 3 Western references.

1/1

BULGARIA

Col. & Docent, Candidate of Medical Sciences Iv. KOPCHEV, Major K. KUPREV and Lt. Col. M. DOMOVITSOV

"Treatment of Clavicular Fractures."

Sofia, Voenno Meditsinsko Delo, Vol 13, No 1, Feb 1963; pp 13-19.

Abstract [Russian Summary modified: ] Of 362 patients with clavicular fracture treated in the traumato-logic clinic of the Military Medical Academy 1958-1962, only 61 ("28.58") were treated surgically, rest conservatively. Of surgical methods, intramedullary osteosynthesis is generally considered best. "Cerclage" [wire bracing?] is definitely pernicious despite its wide use at present in Bulgaria. Much clinical and statistical detail, authoritative polemical attitude. Six roentgenograms, 4 tables; no references.

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**BULGARIA**

Col. St. DIMITROV and Lt. Col. P. PANAIOTOV, Medical Corps (Meditinska sluzhba.)

"Operative Treatment of Leg Thrombophlebitis."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 20-22.

Abstract: Detailed report of the cases of 2 male patients aged 35 and 33 years respectively; review of data on these and 2 other patients. Based on this clinical experience and review of literature, authors recommend surgical treatment in such cases; fear of thromboembolism during surgery are inappropriate deterrent to operative treatment since this complication occurs just as frequently with conservative therapy. Two case reports; no references.

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**BULGARIA**

Lt. Col. P. PELOVSKI, Medical Corps (Podpolkovnik of meditsinskata sl.)

"Plastic Coverage of Cranial and Dural Defects"

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 23-26.

Abstract [Russian summary modified]: Detailed description of clinical and surgical data on ten patients operated by author using "plexiglas" plastic artificial glass which can be molded (90 to 100° centigrade, thickness 0.2 cm.) Most gratifying results. Discussion of various homo- hetero- and allo- as well as auto- plastic materials used in replacing dura mater; umbilical cord prepared in special way is among best substitutes.

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## BULGARIA

Lt. Col (Podpolkovnik) D. DONCHEV and Major (Major) St. STOYANOV, MC  
(Meditinska sluzhba)

"Artificial Breathing with Application of Air Insufflation."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 27-28.

Abstract : Mouth-to-nose or mouth-to-mouth artificial breathing and resuscitation procedures are described, advocating use of a perforated flat piece of rubber for hygienic purposes, or 2 short (2 to 8 mm. X 10 cm.) tubes of rubber to lead air into nostrils or mouth if nasal passages are closed. Four diagrams, 3 photographs, 3 references: Soviet, Bulgarian, British.

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## BULGARIA

Evg. ANTONOV, Col., MC (Polkovnik od meditsinskata sluzhba.)

"Most Frequent Mycotic Diseases in the Army and Their Prevention."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 28-33.

Abstract: Comprehensive statistical data about superficial mycoses in the Bulgarian armed forces and civilian population. Morbidity is extremely high; highest in the Turkish minority areas and among Bulgarians of Mohammedan religion. Of 1664 military personnel screened in the Sofia garrison, 682 (41%) had epidermophytosis pedis (22% of first-year recruits, 65% of 2- or 3-year servicemen.) Scalp, beard and other skin mycoses are also widespread. Comprehensive data about the species involved, epidemiologic patterns; outline of 12-point program to counteract situation. Diagram, no references.

1/1

BULGARIA

Lt. Col. D. KOSTADINOV, MC (Podpolkovnik od meditsinskata sluzhba.)

"Lordoscoliometry and Its Clinical Use."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 33-35.

**Abstract :** Description of construction and use of home-made device named "Lordoscoliometer" and consisting essentially of graduated wood bars sliding at two dimensions (parallel and at right angles) over usual height measuring stand. This is used by author to diagnose various types of mild spinal deformity and to follow progress of treatments prescribed to correct them. Photograph, 2 graphs, 3 illustrations of device.

1/1

BULGARIA

Lt. Col V. GRIGOROV, MC

"Gowers' Photometric Erythrocyte Counting Method."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 36-39.

**Abstract [Russian summary modified] :** Description of use of German-made Zeiss photometer for automatic determination of RBC concentration, table showing accuracy of method compared with visual counting in 8 patients' specimens; method is recommended. Diagram, table; 3 Soviet and 1 German (company literature) references.

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**BULGARIA**

Lt. Col. M. PETROV, MC (Podpolkovnik od meditsinskata slushba) and  
Lt. Col. Iv. KHRISTOV, MC

"Alimentary Toxinfection Caused by *Salmonella typhimurium* Breslau."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 40-43.

Abstract: Extremely severe case of food poisoning in 8 soldiers who ate from package of fried fish sent to one of them by parents: acute gastroenteritis with renal and cardiovascular complications; 1 died, while toxic psychosis episode requiring hospitalisation in mental hospital supervened in another one. *S. breslau* was isolated from remnants of fish. Diagram, 8 Bulgarian, 5 Soviet and 2 Western ref's.

1/1

**BULGARIA**

Lt. Col. V. BAEV, MC and Lt. Col. V. SERBEZOV, MC

"Etio-Pathological Diagnosis of the Influenza Epidemic of January - February 1962."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 44-45.

Abstract: Virologic and serologic study methods are described which permitted diagnosing the influenza epidemic in question as being of an A<sub>2</sub> type. From 20 nasal washings of patients, 10 virus strains were isolated in embryonated eggs, diagnosed serologically. Best incubation temperature was surprisingly low, 32 to 34° centigrade; 37° was least conducive to virus multiplication. No references.

1/1

BULGARIA

Kiril KABAKCHIEV, Lt. Col., MC; Research Associate (Podpolkovnik od meditsinskata sluzhba; Nauchen sotrudnik.)

"Study to Determine Effect of the Cortex of Cerebral Hemispheres onto Rotation Nystagmus. Part I."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 46-50.

Abstract: Description and discussion of results of a total of 1120 tests of vestibular function (intensity and duration of nystagmus following rotation) in cats and rabbits in 11 different experimental conditions (CNS-stimulating and depressing drugs, intense light or "enemy" stress, total darkness, partial decortication). Results indicate that vestibular reflexes are strongly influenced by cortical centers but effect is complex and multifactorial, both facilitatory and inhibitory; it varies with time and other parameters in the same animal. Diagram; 10 Soviet, 1 Bulgarian and 1 Western reference.

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BULGARIA

Lt. Col. D. DIMITROV, MC

"Some Causes of Health Impairment in Flyers During Flight."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 51-56.

Abstract [Russian Summary modified]: Analysis of data on 103 flyers who had experienced sudden acute episodes of various syndromes during flight after having been pronounced medically fit for flight duty. Twenty should actually have been ineligible because of physical disease; 38 had nervous system difficulties; 15 vestibular hyperirritability. Of the 103, 72 had to be grounded eventually. Conclusion is mainly that stricter criteria of flight duty eligibility should be enforced.

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**BULGARIA**

Prof., Col. G. KRUSTINOV; Col. A. STOICHIEV and Major T. KENOV, MC

"Surgical Treatment of Abdominal Aneurysm by Resection and Alloplasty."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 57-61.

Abstract (Russian summary modified): Description of interesting case in 73-year-old man with large fusiform aneurysm of abdominal aorta from renal arteries to bifurcation; replaced with dacron prosthesis; excellent results with 22-month follow-up. Two drawings, chart of vital functions during operation and anesthesia; no references.

1/1

**BULGARIA**

R. TSATKOV, Lt. Col, MC (Podpolkovnik od meditsinskata sluzhba.)

"Superficial Cord-Like Phlebitis with Report of Three Cases."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 61-64.

Abstract : Review of literature and description of cases in 2 nurses aged 33 and 4; both on anterior thoracic wall, both recovered with conservative treatment. No further mention of third case implied in title.

1/1

CZECHOSLOVAKIA

Hans SELYE, Institute of Medicine and Experimental Surgery, University of Montreal, Canada

"Calciphylaxis and the Concept of the 'Vital Staining of Tissues'."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 193-198.

Abstract [English summary modified]: A general review of calciphylaxis by its discoverer. Reports on experiments in rats in which injection with suitable organotropic agent (e.g. egg white) at suitable time after sensitization with e.g. vitamin D derivative, local calcification followed by inflammation and sclerosis appears. Speculative discussion about resemblances to allergic and other pathological phenomena in man.

1/1

CZECHOSLOVAKIA

J. MASEK, L. KRIKAVA and K. OSANCOVA, Institute for Human Nutrition Research (Ustav pro výzkum výživy lidu) Chief (reditel) Prof Dr J. MASEK, Prague - Krc.

"Cholesterolemia and Phospholipidemia in Man; Their Changes and Importance. Part III. Effect of Diet and Physical Work (Population Studies.)"

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 198-204.

Abstract [English summary modified]: Based on studies in over 3,000 persons, authors found no correlation between cholesterolemia and animal protein intake, but a close correlation with total fat intake. Physical work was an important factor in depressing cholesterolemia; vitamin C intake tended to have a similar but weaker effect. Seven tables, 8 graphs; 1 Soviet, 1 Yugoslav, 4 Czech and 24 Western references.

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CZECHOSLOVAKIA

Vl. FELT, Sv. RÖHLING, J. STRASEK and St. VONKOUT, Endocrinology Research Institute (Výzkumný ustav endokrinologický) Chief (ředitel) Docent Dr K. SILINK, Prague.

"Effect of Regression of Experimental Atherosclerosis on Serum Lipids and Lipoproteins. Studies with 4-C<sup>14</sup>-Cholesterol."

Prague, Casopis Lekaru Českých, Vol 102, No 8, 22 Feb 63; pp 205-208.

Abstract [English summary modified]: Study in 31 rabbits: 13 controls on normal diet, 9 on 1 Gm. dietary cholesterol/day for 6 months, tests 1 month later, 9 same treatment, tested 9½ months later. Cholesterolemia and phospholipidemia in latter group were back to normal, aortic cholesterol was less than in second group, and there was a marked shift of labeled cholesterol from beta- to alpha lipoproteins as compared to first group. Seven tables, 2 Soviet, 1 Czech and 24 Western references.

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CZECHOSLOVAKIA

J. JEDLICKA and P. NESVADBA, Cardiology Laboratory of Second Internal Medicine Clinic of Faculty of General Medicine of Charles University (Kardiologická laboratoř pri II interní klinice fakulty všeobecného lékařství KU [Karlove University]) Head (prednosta) prof Dr Fr. HERLES, DrSc; and Polyclinic of the Okres Institute of National Health (Poliklinika OUNZ [Okresní ustav národního zdraví],) Chief (ředitel) J. ROTMAN, MD, Prague.

"Clinical Diagnosis of Ebstein's Anomaly."

Prague, Casopis Lekaru Českých, Vol 102, No 8, 22 Feb 63; pp 209-213.

Abstract [English summary modified]: Detailed description of case of woman of 41, studied by authors for 15 years; cyanosis rather than dyspnea was main symptom; she had been cyanotic from birth. Despite 2 normal births and mild tendency to obesity, she was well compensated and essentially well. Comprehensive cardiologic work-up with discussion of differential diagnosis with tetralogy of Fallot and other congenital cardiac malformations. Nine graphs, 3 roentgenograms, 1 Soviet, 1 Czech and 43 Western references.

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CZECHOSLOVAKIA

O. RUZICKA and J. TEJMAR, Department of Surgery in Prague of the Hospital (Chirurgicke oddeleni Praha nemocnice) "Na Frantisku," Head (prednosta) V. CERNAK, MD, Prague.

"Summary Function Test of Circulation and Respiration."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 213-214.

Abstract [English summary modified]: Proposed summary test consisting in blood oximetry pattern accompanying and following period of apnea after deep expiration. Reproducibility in normal persons seems excellent; characteristic changes in asthmatics and other dysfunctions of either circulation or respiration. Seven graphs; 8 Czech (whereof 3 unpublished) and 12 Western references.

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CZECHOSLOVAKIA

J. MUSIL and O. SKALICKOVA, Department of Clinical Biochemistry, Faculty of Medical Hygiene (oddeleni pro klinickou biochemii lekarske fakulty hygienicke) Head (prednosta) J. OPPLT MD RNDr; and Psychiatric Clinic of Faculty of General Medicine (Psychiatricka klinika fakulty vseobecneho lekarstvi) Head Prof Dr V. VONDRAZEK; Charles University (KU [Karlove University]), Prague.

"Metabolism of N-acetyleneuraminic Acid in Mental Diseases."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 215-218.

Abstract [English summary modified]: Determination of o-sialic acid levels in 225 persons in CSF and in blood; lowest levels were in 9 patients with degenerative diseases (2.08 mg./100 ml. CSF) and in schizophrenia (62 patients, 2.12 average). Comprehensive discussion of these and other results and their significance. Decrease is considered to be due to lowered synthesis and increase toward normal levels should parallel clinical improvements during therapy. Chemical structure, table; 6 Czech (including thesis and 1 other unpublished), 1 Soviet and 37 Western references.

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CZECHOSLOVAKIA

R. KOREC and R. SAFRANKOVA, Department of General and Experimental Pathology of Medical Faculty of J.P. Safaryk University (Ustav pre vseobecnu a experimentalnu patologiu Lekarskej fakulty UPJS [University P.J. Safaryka]) Head Docent Dr R. KOREC, Kosice.

"Free and Bound Glucose in the Urine."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; pp 219-220.

Abstract [English summary modified]: Tests in 23 normal controls and 17 diabetic patients revealed that latter have no bound urinary glucose which may be freed by acid hydrolysis. Glucose oxidase tests and copper phosphomolybdate ones were done in various groups. Two graphs, 4 Western references.

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CZECHOSLOVAKIA

J. CHARVAT [Affiliation not given]

"Book Review. J. BROD; The Kidneys, State Medical Publishing House Prague 1962, 1044 pages, 60 plates, 219 illustrations, hardbound, 125 Kcs."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; p 221.

Abstract : Generally very favorable review of this latest book by well-known Czech nephrologist (he had published a book on clinical physiology and pathology of kidneys in 1949.) Reviewer praises the dynamic, physiologic functional approach; only critical comments pertain to somewhat scattered placement of illustrations far away from corresponding text, and choice of a few Czech terms.

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CZECHOSLOVAKIA

A. KAZMAR, MD, and J. ROUDNY, RNDr [Affiliation not given]

"Epidemiologic Situation in Czechoslovakia in November 1962."

Prague, Casopis Lekaru Ceskych, Vol 102, No 8, 22 Feb 63; p 224.

Abstract: Main change is small typhoid fever epidemic in school in Northern Bohemia, involving 68 students and teachers. Numbers and percentages are given for bacillary dysentery, infectious hepatitis, scarlet fever, pertussis, parapertussis, chickenpox, measles, mumps, brucellosis, tetanus, trachoma, ornithosis, Brill-Zinsser disease, trichophytia, diphtheria, leptospirosis, t. xoplasmosis; comparisons with November 1961, October 1962 and some other details.

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CZECHOSLOVAKIA

Sv. KOVARA, V. NOVAK, J. ZAK, V. JUNGMAN and Fr. PAVLIK, Institute for Clinical and Experimental Surgery (Ustav klinické a experimentální chirurgie) Chief (ředitel) Prof Dr B. SPACK, DrSc; and Second Pathology Department of Faculty of General Medicine of Charles University (II. patologicko-anatomický ústav fakulty všeobecného lékařství KU [Karlove University]) Head (prednosta) Prof Dr V. JEDLICKA, DrSc, Prague.

"Neomycin and Kanamycin - Their Toxicity and Uses in Urology."

Prague, Casopis Lekaru Českých, Vol 102, No 10, 8 Mar 63; pp 249-257.

Abstract [English summary modified] In 30 patients with urinary tract infections mostly gram negative, 3.5 mg./Kg. (about 250 mg.) daily intramuscularly, very minor nephrotoxic and no ototoxic effect; 21 were cured of their infection. In 30 others, 7 mg./Kg. kanamycin or 14 mg./Kg. (50% or 10% mg.) some tinnitus, no audiometric change, minor nephrotoxicity (Addis); 23 cures. When organisms are not sensitive to any other drug and renal function is well preserved, these antibiotics may be given under careful supervision. Two tables, 5 graphs, 13 photomicrograph; 10 Jap., 10 Czech about 45 Western ref's.

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CZECHOSLOVAKIA

H.S. KANDRAC, M. KFCLIK and A. JIRASEK, Endocrinology and Metabolism Laboratory (Laboratoř pro endokrinologii a metabolismus) Head (prednosta) Academician J. ČERNÝ, Department of Internal Medicine of the Faculty Polyclinic (Interní oddělení fakultní polikliniky) Chief (vedoucí) Prof Dr K. HERFORT, and First Pathology Department (I. patologickoanatomický ústav) Head Prof Dr B. BEDNAR, Faculty of General Medicine Charles University (Fakulta všeobecného i karství KU [Karlove University]) Prague.

"Excretion of Pregnen-17,20,21-Triol-3,11-Dione in Bongiovanni-Tschaeffer Type of Liver Cirrhosis."

Prague, Casopis Lekaru Českých, Vol 102, No 10, 8 Mar 63; pp 258-260.

Abstract [English summary modified]: Woman aged 23, died in hepatic coma. Presumably deficient in hepatic dehydrocortisol reductase with excessive 11-beta-hydroxysteroid dehydrogenase. Thorough metabolic and histologic data. Four photomicrographs, 3 graphs, 3 tables; 2 Czech and 23 Western references.

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[CZECHOSLOVAKIA

M. KOUT and E. ENDERLE, Institute for Hematology and Blood Transfusion (Ustav hematologie a krevni transfuze) Chief (reditel) Prof Dr J. MOREJSI DrSc; and Experimental Therapeutics Research Institute (Vyskumnny ustav experimentalni terapie) Chief Docent Dr O. SMANEL, DrSc; Prague.

"Anti-Kell Iso-Immunization."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; pp 264-267.

Abstract [English summary modified]: Case report; woman aged 47 with chronic hypochromic anemia aggravated by 3 pregnancies, cholecystectomy requiring in all 23 transfusions over about 18 years. Authors theorize based on distribution frequency of Kell antigen (about 10%) that at least 2 donors were Kell-incompatible. Incomplete antibodies should also be sought when repetitive transfusions are required. Two tables, 2 Polish and 15 Western references.

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[CZECHOSLOVAKIA

V. SCHREIBER and V. KMENTOVA, Endocrinology and Metabolism Laboratory of Faculty of General Medicine of Charles University (Laborator pro endokrinologii a metabolismus fakulty všeobecného lekarství KU [Karlove University,]) Head (prednosta) Academician J. CHARVAT; Prague.

"Correlation Between TSH Secretion and Acid Phosphatase Activity in Rat Pituitaries."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; pp 267-271.

Abstract [English summary modified]: Rat pituitary acid phosphatase activity showed a direct correlation with weight of thyroid (after 1 to 5 weeks on diet containing 0.2% methylthiouracil) and with weight of pituitary gland itself. It is probable that pituitary acid phosphatase activity is intimately involved in TSH synthesis or its secretion. Three graphs, 2 tables; 9 Western references, 7 Czech, 1 Hungarian and 1 Soviet.

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CZECHOSLOVAKIA

J. MACHOVA, R. STUKOVSKY and F.V. SELECKY, Department of Chemistry (Chemicky ustav) Chief (riaditel) Academician J. VASATKO, and Department of Endocrinology (Endokrinologicky ustav) Chief J. PODROBA, MD CSc; Slovak Academy of Sciences, Bratislava, Czechoslovak Academy of Sciences. (SAV [Slovenska Akademia Ved], CSAV [Ceskoslovenska Akademia Ved].)

"Analysis and Evaluation of the Pressor Response to Carotid Occlusion in Anesthetized Cats."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; pp 271-275.

Abstract [English summary modified]: Authors found positive correlation between response and initial blood pressure value when latter was below 174 mm., and negative above that value. These and related findings are discussed and a statistical method is proposed for evaluation of effect of substances tested for effect on blood pressure by carotid occlusion method. Two graphs, 3 tables; 10 Western references.

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CZECHOSLOVAKIA

J. DUBOVSKY, E. DUBOVSKA and J. FORMANKOVA, Third Internal Medicine Clinic of Faculty of General Medicine (III. interni klinika fakulty všeobecného lékařství) Head (prednosta) Academician J. CHARVAT, Prague.

"High Excretion of Dicarboxylic Alpha-Keto-Acids in Urine."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; pp 275-276.

Abstract: Study of urinary keto acids in 300 persons revealed unusually high levels in several specific conditions. High alpha-ketoglutaric acid levels in a number of patients with diabetes indicate a possible Krebs cycle metabolic defect, heretofore not thought to be present in man. Graph, table; 1 Czech and 5 Western references.

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CZECHOSLOVAKIA

Fr. SVEHLA [Affiliation not given] Karlovy Vary.

"Cervical Rib. Comment to the Article by M. HRBEK and A. NOVAKOVA."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; p 277.

Abstract: A 4-point critique: cervical rib syndromes are complex not limited to the presence of the supernumerary rib, other Czech work should have been cited, phlebography done.

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CZECHOSLOVAKIA

M. HRBEK and A. NOVAKOVA, [Affiliation not given] Usti nad Labem.

"Cervical Rib. Reply to Comment by Fr. SVEHLA."

Prague, Casopis Lekaru Ceskych, Vol 102, No 10, 8 Mar 63; p 277.

Abstract: Rebuttal to above. Truly the diagnosis of "cervical rib" is inappropriate but it is used and useful. References published after paper was submitted could not be included. Finally, many requests for reprints were received from young physicians, so article was useful.

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CZECHOSLOVAKIA

V. TRCKA, Pharmacy and Biochemistry Research Institute (Vyzkumny ustav pro farmacii a biochemii,) Prague.

"Anticoagulant Effect of Some 4-Hydroxycoumarin Derivatives."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 65-68.

Abstract [English summary modified]: Studies of Quick-time prolongation in rabbits of 8 new coumarin - chromone compounds; structure - function correlations. Thiotan (1,1-di(4-hydroxycoumarinyl-3)diethylsulfide) and Desoxythiotan (1-(4-hydroxycoumarinyl-3)-1-(chromonyl-3)diethylsulfide have been recommended for clinical trials while Desoxytan which is the methyl analog is extremely toxic in rats and has been shown to be an excellent raticide. Structures, 4 graphs; 5 Czech and 1 Western reference. \*to Desoxythiotan.

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CZECHOSLOVAKIA

J. METYS (Same affiliation as above.)

"Structure-Function Relationships of alpha-Methyl-para-HalogenBenzyl-Amines Antihistamines and Some of their Indane Analogs."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 69-73.

Abstract [English summary modified]: Studies of 5 analogs of Antergan, 3 of tripeleannamine and 3 of indane. Antihistaminic effect in guinea pigs, barbiturate potentiation in mice, central stimulation or depression in mice, acute LD<sub>50</sub>. Abrupt disappearance of antihistaminic effect with little or no change in toxicity and CNS-tropic properties or increase in latter with unchanged or decreased toxicity was noted. Comprehensive discussion of structure-function relationships. Three tables, structures, 12 Czech and 16 Western references.

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CZECHOSLOVAKIA

Z. HORAKOVA, J. MURATOVA, V. PUJMAN and V. BYDZOVSKY, Pharmacy and Biochemistry Research Institute (Vyskumný ustav pro farmaci a biochemii) Prague.

"Sulfonamides with Prolonged Antibacterial Effectiveness. Pharmacology of Sulfamethoxydine."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 73-77.

Abstract [English summary modified]: Authors' "sulfamethoxydine" which is 2-sulfanilamido-5-methoxypyrimidine was found superior long-acting sulfonamide to sulfamethoxypyrimidine, sulfaphenazol and sulfadimethoxine. LD<sub>50</sub> is lower (30 Gm./Kg. orally in mice did not kill a single one of 10); potentiation of CNS stimulants is lower. Only signs of potential toxic effects increased weight of thyroid and kidneys with chronic treatment group of animals; drug is also diuretic. Table, 3 Czech, 1 Swiss, and 1 Soviet reference.

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CZECHOSLOVAKIA

Vl. KOZLIK and J. MOUČKA and Z. MAROČ, State Drug Control Institute (Statní ustav pro kontrolu lečiv) and Institute of Flight Medicine (Ustav leteckého zdravotnictví) Prague.

"Some Pharmacologic Properties of d-Cycloserine and dl-Cycloserine."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 78-84.

Abstract [English summary modified]: dl-Cycloserine, its metabolic breakdown product 2,5-bis(aminomethoxy)3,6-diketopiperazine both have a reversible toxic effect on the heart in experimental conditions of authors' study. To a lesser extent this is also true of the d-isomer. Presumably toxic effect due to humoral inhibitory effect on cardiac metabolism. Fourteen graphs, 11 Western references.

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CZECHOSLOVAKIA

M. LUKASIEWICZ and E. FRAENKEL, Department of Pharmacology, Medical Faculty, P.J. Safaryk University (Farmakologicky ustanov lekarskej fakulty UPJS [University P.J. Safaryka],) Kosice.

"Method for Evaluation of Analgesic Effect."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp. 85-89.

Abstract [English summary modified]: Description of device for automatic administration of painful stimuli together with recording of motor reaction and respiration movements. Diagram, 4 graphs, 2 tables; 2 Czech and 3 Western references.

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CZECHOSLOVAKIA

F. PALECEK and J. MIKULASKOVA, Natural Medicinal Products Research Institute (Vykumny ustanov prirodnich leciv) Prague.

"Pharmacology of Pholcodine."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 89-94.

Abstract [English summary modified]: Comprehensive toxicologic and pharmacologic studies of pholcodine, compared with codeine and morphine; in mice, rats, guinea pigs, rabbits and dogs. Same analgesic and antitussive potency with lower toxicity would seem to make pholcodine preferable to codeine for both indications. Four tables, 6 graphs; 2 Czech and 19 Western references.

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## CZECHOSLOVAKIA

J. NECINA, A. JAKUBOVIC and J. MIKULASKOVA, Natural Medicinal Products Research Institute (Vyskumnny ustav prirodnich leciv) Prague.

"Pharmacology of Methylene Blue."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 94-101.

Abstract [English summary modified]: Methylene blue inhibited monoamine oxidase in liver and brain of rats; prolonged barbiturate sleep and decreased metrazol convulsions; potentiated amphetamine group toxicity, protected heart from isoproprylepinephrin necrosis, potentiated epinephrine, norepinephrine, dopamine and acetylcholine blood pressure response, reversed that of reserpine; antagonized gastroulcerogenic effect of reserpine, lowered increase of reserpine toxicity in cold and antagonized reserpine inhibition of metrazol convusion. Four photomicrographs, 11 graphs; 4 Czech and 49 Western references.

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## CZECHOSLOVAKIA

A. KOVARIKOVA and J. MIKULASKOVA [Affiliation same as above]

"Cardiotonic and Cardiotoxic Effects of Acetyldigoxine."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 101-104.

Abstract [English summary modified]: Continuation of studies on this structural analog of acetyldigitoxin, prepared by partial degradation of lanatoside C. Comparison with digoxin revealed no qualitative differences; somewhat weaker in potency. These results led to clinical studies; preliminary as yet unpublished results of latter confirm potential value of drug. Comprehensive details of pharmacologic tests. Four tables; 1 Hungarian, 2 Czech and 6 Western references.

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CZECHOSLOVAKIA

V. DITTERTOVA, L. BURAN, A. BABULOVA and F.V. SELECKY, Pharmacodynamics  
Division of Chemical Department, Slovak Academy of Sciences Bratislava;  
Czechoslovak Academy of Sciences. (Chemicky ustan SAV [Slovenska Akademia  
Vied], oddelenie farmakodynamiky, CSAV [Ceskoslovenska Akademia Ved,])  
Bratislava.

"Effect of Oxyphylline on Cardiotoxic Activity of Convallatoxin and  
Helveticoside and on Their Effect on the Cat Heart-Lung Preparation."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 104-107.

Abstract [English summary modified]: Oxyphylline-convallatoxin\*  
preparation has maximal therapeutic effect at 29% of lethal dose,  
convallatoxin alone at 57%. Helveticoside-oxyphylline ("Theohelvetin")  
achieve maximal effect at 41% of lethal dose rather than at 62% as  
with the first component alone. Differences are statistically highly  
significant. Table, 4 graphs; 4 Czech, 1 Hungarian, 9 Western ref's.  
\* ("Theoconvallin")

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CZECHOSLOVAKIA

J. SUCHY, L. ZATHURECKY, G. SOMOSKOVY, L. MOLNAR and O. BAUEROVA [Same  
affiliation as above.]

"Stability of Strophanthidine-Type Cardenolides in Injectable Solutions.  
Part 2. UV Spectrometry of Strophanthidin Isomerization Reaction Kinetics."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 107-111.

Abstract [English summary modified]: At alkaline pH, isomerization is  
specifically catalyzed by OH ions. Table shows times required to  
bring about decomposition of 10% of strophanthidine at pH 8, 9 or 10  
and 10, 15, 20, 25, 100 and 120° centigrade. Four tables, 3 graphs,  
equations; 1 Soviet, 3 Czech, 6 Western references.

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CZECHOSLOVAKIA

Dr Karel NAVRATIL [Probable affiliation: Commission for Importation of Drugs, Ministry of Health (Komise pro dovoz Leciv MZd) Prague]

"New Commission for Evaluation of Foreign Drugs."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; p 114.

Abstract: Brief summary of reorganization and reassignment of the functions of approving the importation of foreign drugs, listing all governmental and other offices involved, and describing the new procedure. Organizational no individual names are given. All 3 references are to articles in 1962 in the intramural house organ of SpoFa, "Farmakoterapeutické spravy SpoFa".

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CZECHOSLOVAKIA

H. MELICH [Affiliation not given] Prague.

"New Drugs. Xantedryl SpoFa, Xantedrylettæ SpoFa."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 118-119.

Abstract: New anti-asthmatic preparation, combining antihistamine mebephenhydramine ("Bromadryl",) 10 mg. with ephedrine-HCl 20 mg., theophylline 50 mg. and oxyphylline (7-(2-hydroxyethyltheophylline)) 10 mg., tablets. "Xantedrylettæ" is the pediatric dosage form, contains 2, 4, 10 and 20 mg. of the respective ingredients. Comprehensive discussion of pharmacology, administration, dosage.

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CZECHOSLOVAKIA

H. MELICH [Affiliation not given]

"Bromadryl-F"

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 119-120.

Abstract: Pharmacologic and pharmaceutical data are given on this new preparation with antihistaminic effect, containing 25 mg. of mebrophephenhydramine and 10 mg. of phenmetrazine in tablet form. One Arzneimittelforschung and 2 Spofa house organ references.

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## CZECHOSLOVAKIA

A. GRODAN and J. MEDVECKY, Surgical Clinic and Pediatric Clinic of Medical Faculty of P.J. Safaryk University (Chirurgicka klinika a psychiatricka klinika Lekarskej fakulty UPJS [University P. J. Safaryka] Kosice.

"Psychic Disturbances Following Closed Craniocerebral Trauma."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 1-10.

Abstract [English summary modified]: Statistical data and details on 2000 patients with various types of recent head injuries; 622 of these had various psychic difficulties, most frequent being memory lapses (289) and sleepiness -- obnubilation (187). Data from 1000 returned questionnaires are also tabulated, listing mental-emotional complaints after accident. In most, intellectual functions and memory were affected to varying degrees depending on age, location and severity of injury and other factors. Five diagrams, 5 Soviet, 4 Czech, 1 Hungarian and 17 Western references.

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## CZECHOSLOVAKIA

M. DOLEJSI, Pediatric Department of Mental Hospital (Detske oddeleni psychiatricke lecебny) Havlickuv Brod.

"Psychological Studies of Mentally Retarded or Maldeveloped Children."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 11-19.

Abstract [English summary modified]: Study of 253 children admitted by recommendation to special schools for mentally retarded: 49 had normal intelligence with various types of emotional disturbance, and 38 had slight intellectual maldevelopment but no true retardation. Criteria and methods of selection of candidates for special schools of this type need to be changed. Complete discussion of methods used, results and conclusions. Table, 5 graphs; 35 Czech, 8 Soviet, 20 Western references.

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**CZECHOSLOVAKIA**

J. PETROVA and O. TOPOLCAN, Psychiatric Hospital (Psychiatricka licebna)  
Dobrany.

"Preliminary Report About Psychoses Due to Cycloserine."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 20-23.

**Abstract:** Detailed case reports about 6 patients with psychotic syndromes which broke out during treatment with average (up to 750 mg. per day) doses of cycloserine. Many additional cases are briefly reported. Some of the patients had a familial or individual predisposition. Usually there was a manic component initially, later delirious, paranoid, hallucinatory symptoms as well as a depressive phase. Questions value of drug in treatment of tuberculosis in view of severity of this side effect.

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**CZECHOSLOVAKIA**

F. KŘIVAK, Department of Psychiatry, Okres Institute of Health  
(Psychiatrické oddelení OUNZ [Okresní ustav národního zdraví] Jablonec  
nad Nisou.

"Oligophrenia in Laurence-Moon-Biedl-Bardet Syndrome."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 24-27.

**Abstract [English summary modified]:** Review of the literature and detailed case report in 9-year-old girl. Some improvement could be achieved with complex hormonal treatment, but it was not permanent.

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CZECHOSLOVAKIA

K. NEDOMA, Department of Sexology, Faculty of General Medicine of Charles University (Sexuologicky ustav fakulty všeobecného lékařství KU [Karlove university],) Prague.

"Psychotherapy of Sexual Neuroses."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 28-32.

Abstract [English summary modified]: A general discussion of sexual neuroses in men, stressing need for establishment of rapport, for refraining from accepting at face value self-diagnoses of erectile impotence or premature ejaculation, for making optimal use of the partner both in diagnosis and in treatment. Illustrative case report. Four Czech, 1 English reference.

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CZECHOSLOVAKIA

Vladimir VONDRAČEK [Affiliation not given]

"Life and Work of Docent Václav Petran, MD."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 33-37.

Abstract: Comprehensive biography - obituary of the 54-year-old neurologist-psychiatrist who died from accidental CO poisoning in September 1962. He spent a year at Cornell in 1948-49 studying industrial psychiatry, which remained his main field. Bibliography of 42 papers, portrait.

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**CZECHOSLOVAKIA**

J. PROKUPEK, Department of Psychiatry, Institute for Graduate Medical Studies (UDL [*t* Ustav pro doskoleni lekaruv],) Prague.

"Revision of the International Statistical Classification."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 37-42.

**Abstract:** Discussion of the 4-digit modification of the Classification (Psychiatry section) as used in Czechoslovakia, illustrative data on schizophrenia subclasses in large city and rural hospital; review and proposals regarding the October 1962 Moscow CEMA symposium on medical statistics wherein author was member of symposium committee on psychiatric classification. Seven tables, 2 Czech, 5 Soviet 1 Western reference.

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**CZECHOSLOVAKIA**

B. DOUBEK, Ministry of Health (Ministerstvo zdravotnictvi) Prague.

"Mental Health Care in Public Health Planning."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 43-49.

**Abstract:** Discourse about the specialized section on mental health at the 13th World Medical Association meeting in Geneva in May 1962: prevention and timely diagnosis, rehabilitation, team approach and research facilities; education of psychiatrists and ancillary staff; epidemiologic research.

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CZECHOSLOVAKIA

Donald F. BUCKLE, Head of Mental Health Section, World Health Association  
Copenhagen, European Regional Office.

"Development of Psychiatric Practice in Europe."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 49-58.

Abstract: Review of the history of the specialty from Pinel onward; changing patterns of institutional care; evolution of admission policies and practices; duration of treatment, methods and staffs, open door policies; chronic patient facilities; pediatric psychiatry; facilities for care of epileptics, criminal insane, alcoholics; psychoanalysis; impact of drugs; specialization in psychiatry, social work with mental patients. 28 Western references.

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CZECHOSLOVAKIA

Vl. VONDRAČEK [Affiliation not given]

"Docent Jan Prokop, MD."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 59-60.

Abstract: Biographical historical article on this Czechoslovak Psychiatrist and neurologist, 1903-1952. He was most interested in schizophrenia and one of the pioneers in research of metabolic anomalies accompanying schizophrenia; did some biochemical work on cerebrospinal fluid in schizophrenics.

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CZECHOSLOVAKIA

J. STEPANEK, Okres Institute of National Health (OUNZ: Okresni ustav narodniho zdravstva Brno - Venkov.

"Comments to the Discussion Between Comrades Moravek and Prenosil."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 61-64.

Abstract: Polemical addendum to this debate, which started with Dr. MORAVEK's critique of a publication by E. MERNET, to which Docent PRENOSIL took exception. Discussion and arguments about society, logic, higher nervous function, essence of mind and matter. STEPANEK is most critical of PRENOSIL.

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CZECHOSLOVAKIA

Milan MORAVEK, Institute for Flight Medicine (Ustav Leteckeho Zdravotnictvi) Prague.

"The Concepts of Biological and Social in the Human Psyche."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 64-66.

Abstract: Further comments on the same polemic as above. This is MORAVEK's rebuttal to PRENOSIL except for a very brief addendum acknowledging STEPANEK. Discussion of whether the psyche is a social or a physiological concept. Pavlovian overtones.

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CZECHOSLOVAKIA

J. BERANEK and V. TLUSTY, Department of Dialectic and Historical Materialism, Faculty of General Medicine, Charles University (Katedra dialektickeho a historického materialismu fakulty všeobecného lékařství KU [Karlove University],) Prague.

"Regarding Dr STEPANEK's comments on the Discussion about the Natural and the Social in the Human Psyche."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 66-68.

Abstract: Presumably this is the concluding comment on this polemic. Comrade STEPANEK commits the same errors he ascribes to others. The orthodox and scientific Marxist-Leninist explanation is herewith given to stop empty arguments.

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